



Submittal Data Information

101-167

Viridian® - VR1816

Effective: February 11, 2015

Supersedes: October 3, 2014

Job: _____ Engineer: _____ Contractor: _____ Rep: _____

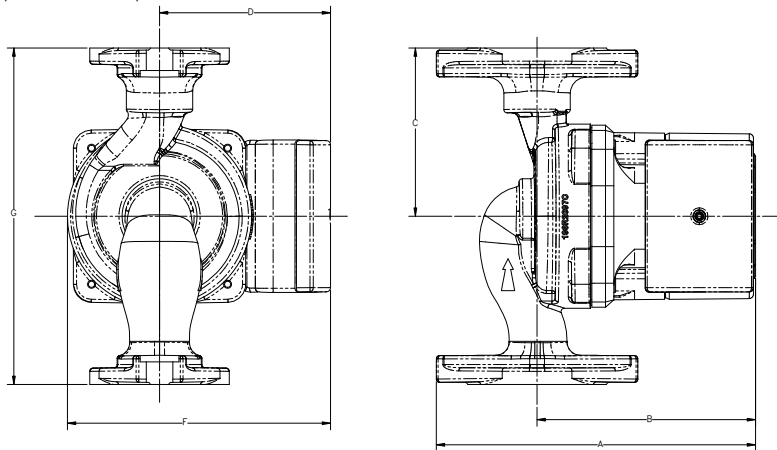
ITEM NO.	MODEL NO.	

Specifications

- Maximum Shut-off Head: 18 feet
- Maximum Flow: 16 gpm
- Maximum Operating Pressure: 125 psi (8.6 bar)
- Maximum Water Temp: 230°F (110°C)
- Minimum Water Temp: 36°F (2°C)
- Electrical specifications:
 - Voltage: 120V, 60 Hz
 - Single phase
 - Operating Power: 4W - 44W
 - Max. AMP Rating: 0.54
- Equipped with a cast iron casing and should be used for closed loop systems only
- Taco circulator pumps are for indoor use only
- Acceptable for use with water or maximum of 50% water/glycol solution

Applications

The Viridian VR1816 circulator is an infinitely variable speed, high-efficiency wet rotor circulator with an ECM permanent magnet motor. Operating modes include infinitely variable fixed speed to fine tune any zone, self-adjusting constant pressure for zone valve applications and self-adjusting proportional pressure for panel radiators with thermostatic radiator valves.



Pump Dimensions & Weights

Model	Flange Code	A		B		C		D		F		G		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
VR1816F	S	6	152	4-1/8	104	3-3/16	80	3-1/4	82	5	126	6-3/8	161	5.8	2.6

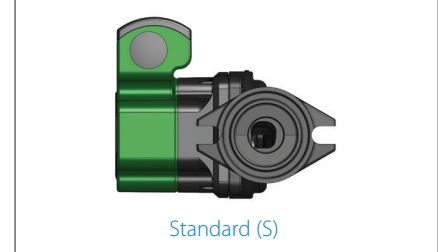
Materials of Construction:

- Casing:Cast Iron
- Stator Housing:.....Composite
- Cartridge:.....Composite
- Impeller:.....Composite
- Shaft:.....Ceramic
- Bearings:.....Carbon
- Thrust Bearing:.....Ceramic
- O-Ring & Gaskets:.....EPDM
- Integral Flow Check (IFC®):
 - Body, Plunger.....Acetal
 - O-ring Seal.....EPDM
 - Spring.....Stainless Steel

Mounting Positions



Flange Orientation



Electrical Data

Model	Volts	Hz	Ph	Max.Amps	Max. Watts	RPM
VR1816F	120	60	1	.54	44	1590 - 4830
Motor Type	ECM, Permanent Magnet, Thermally Protected					



Do your **best work.**

TACO INC., 1160 Cranston Street, Cranston, RI 02920 Telephone: (401) 942-8000 Fax: 942-2360
 TACO (Canada), Ltd., 6180 Ordan Drive, Mississauga, Ontario L5T 2B3 Telephone: (905) 564-9422 Fax: (905) 564-9436
 Visit our website at: www.taco-hvac.com

Printed in USA
 Copyright 2015
 TACO, Inc.